81st RSC INCOMPATIBLE MATERIALS CHART

NEVER STORE THESE / WITH THESE

Placard	Common Material	Haz Group	+	Keep Away From	Haz Group	=	Result
	ACIDS Battery Acid, Sulfuric, Acid, Muratic Acid	CORROSIVES Acids	+	Paint, Thinner, Decon Kits, fuel, solvents Soaps, detergents, Ammonia Calcium Hypochlorite, Bleach, Pure Oxygen	Flammables Caustics Oxidizers	=	Toxic Gas Excessive Heat Violent Reaction
	SOAP/DETERGENT Soaps, Floor Soap, Comet Ammonia, Sodium Hydroxide, Sodium Bicarbonate,	CORROSIVES Caustic/ Alkalies/ Bases	+	Paint, Thinner, Decon Kits, fuel, solvents Battery Acid, Sulfuric, Acid, Muratic Acid Calcium Hypochlorite, Bleach. Pure Oxygen	Flammables Acids Oxidizers	=	Toxic Gas Excessive Heat Violent Reaction
	ADHESIVES Epoxies, Binders, Hardeners	CORROSIVES Caustic/ Alkalies/ Bases	+	Paint, Thinner, Decon Kits, fuel, solvents Battery Acid, Sulfuric, Acid, Muratic Acid Calcium Hypochlorite, Bleach, Pure Oxygen	Flammables Acids Oxidizers	=	Excessive Heat Fire
	Water Treatment Chemicals/Acids Citric Acid, Muratic Acid	CORROSIVES Acids	+	Paint, Thinner, Decon Kits, fuel, solvents Soaps, detergents, Ammonia Calcium Hypochlorite, Bleach, Pure Oxygen	Flammables Caustics Oxidizers	=	Explosive Gases Excessive Heat Fire Toxic Gases
	Water Treatment Chemicals/Bases Tri-Sodium Phosphate, Caustic Soda, Calcium Hypochlorite (Also Corrosive)	CORROSIVES Caustic/ Alkalies/ Bases	+	Paint, Thinner, Decon Kits, fuel, solvents Battery Acid, Sulfuric, Acid, Muratic Acid Bleach, Pure Oxygen	Flammables Acids Oxidizers	=	Explosive Gases Excessive Heat Fire Toxic Gases
	Oxidizers Chlorine (Laundry Bleach), Calcium Hypochlorite, Calcium Oxide, Hydrogen Peroxide, Liquid or Compressed Oxygen	OXIDIZERS	+	Oxidizers should not be stored with any other types of material	Flammables Caustics Acids	=	Fire Explosion ** POL exposed to compressed oxygen will explode violently
	POL Oil, Hydraulic Oil, Grease, Brake Free, Graphite Spray, Silicone Spray, WD-40, Fuel	FLAMMABLE	+	Soaps, detergents, Ammonia Calcium Hypochlorite, Bleach, Pure Oxygen Battery Acid, Sulfuric, Acid, Muratic Acid	Caustics Oxidizers Acids	=	Fire Violent Reaction Excessive Heat
	Paints Primers, Enamel, Strippers, Spray Paint	FLAMMABLE	+	Soaps, detergents, Ammonia Calcium Hypochlorite, Bleach, Pure Oxygen Battery Acid, Sulfuric, Acid, Muratic Acid	Caustics Oxidizers Acids	=	Fire Violent Reaction Excessive Heat
	Solvents Parts Washer Fluid, Degreasers, Alcohols, Acetone, MEK, Toluene	FLAMMABLE	+	Soaps, detergents, Ammonia Calcium Hypochlorite, Bleach, Pure Oxygen Battery Acid, Sulfuric, Acid, Muratic Acid	Caustics Oxidizers Acids	=	Fire Violent Reaction Excessive Heat
	Batteries Automotive Batteries contain Acid	CORROSIVES Acid	+	Soaps, detergents, Ammonia Calcium Hypochlorite, Bleach, Pure Oxygen Paint, Thinner, Decon Kits, fuel, solvents	Caustics Oxidizers Flammables	=	Explosive Gases Excessive Heat Fire Toxic Gases
	Pesticides	Poison	+	Do not store with food products, May react with other hazardous chemicals		=	Poison Chemical Reaction

1. This Chart is to be used as a ***Guide Only!***
2. Compare the desired Hazmat Group in the left column with the Incompatible Material(s) of that Group in the Center, if the colors don't match they **SHOULD NEVER** be stored or mixed together.
3. Should the Material(s) in the Center Column be mixed with the desired Group in the Left Column, the Expected Reaction(s) can be seen in the right Column.
4. For ***specific information*** on Storage and Handling of Hazardous Materials, consult the MSDS.

Prepared By:
81st Regional Support Command,
Environmental Division